

CLAIMS

1. A portable electronic device, comprising:

a horizontally long casing, both ends of which are capable of being gripped by a user's both hands, respectively, and

a display unit fit into the casing,

wherein outwardly projecting bulges are respectively formed at both sides of the rear face of the casing where fingers of the user gripping the casing placed.

2. The portable electronic device of claim 1, wherein planar region is provided between the two bulges on both sides of the rear face of the casing, at least part of the planar region being a lid of a disk drive unit.

3. The portable electronic device of claims 1 or 2, wherein outer edge of each side of the casing is formed as arc shape fitting to the curve formed by a palm of the user gripping the casing.

4. The portable electronic device of claims 1 to 3, wherein a horizontally longitudinal cross section of the casing has a gentle curve slanted from the center of the casing to the left or right hand of the user.

5. The portable electronic device of claims 1 to 4, further comprising a first operation means and a second operation means provided on the front face of the casing,

wherein each of the first operation means and the second operation means is operated by a thumb of the user gripping the casing,

the first operation means is a direction instruction key having a plurality of pressed faces each corresponding to an operation direction,

the second operation means is a plurality of button keys each outputting single instruction, and

the center of the direction instruction key and the center of the button keys are shifted upward in the vertical direction from the horizontal center line of the casing when viewed from the user.

6. The portable electronic device of claim 5, wherein when the casing is placed on a horizontal plane so that a face without the display unit is oriented downward, a top of the direction instruction key and a top of any one of the plurality of button keys are higher than the maximum height of the casing.

7. The portable electronic device of claims 5 or 6, wherein the front face of the casing comprises at least two areas,

the direction instruction key and the plurality of button keys are placed in a first area, and

at least one sub operation button not used during game play going on the display unit is placed in a second area,

wherein the height of the first area and the height of the second area are different from each other when measured from a horizontal plane on condition that the casing is placed on the horizontal plane so that a face without the display unit is oriented downward.

8. The portable electronic device of claim 7, wherein the second area is elevated from the first area.

9. The portable electronic device of claim 5, wherein spacing between the pressed surfaces of the direction instruction key and spacing between each button of the button keys are different from each other.

10. The portable electronic device of claims 5 to 9, further comprising an analog operation means for outputting an analog signal for direction, wherein the analog operation means is located closer to the user than the direction instruction key and the center of the analog operation means is located inside of the center of the direction instruction key.

11. The portable electronic device of claims 1 to 4, wherein the surface of the casing is a resin molded part, the resin molded part comprising a transparent window through which the

display unit can be viewed and a frame other than the transparent window, the transparent window being made of a first transparent resin, the frame being made from a second colored resin,

wherein the first resin and the second resin are molded in a unified fashion by two-color molding.

12. The portable electronic device of claim 11, wherein the first resin is molded to cover whole surface of the frame.

13. The portable electronic device of claims 1 to 4, further comprising a speaker within the casing,

wherein a through hole is formed at the bottom face of the casing for emitting sounds generated from the speaker, the through hole being formed with an angle toward the front face of the casing.

14. The portable electronic device of claim 13, further comprising:

a second through hole formed in the front face of the casing, and

a duct formed inside the casing for directing sounds generated from the speaker to the second through hole.

15. A portable electronic device, comprising:

a horizontally long housing, both end of which is capable

of being gripped by a user's both hands, respectively, and

a displaying unit fitted into the casing,

wherein outer edge of each side of the casing is formed as arc shape fitting to the curve formed by a palm of the user gripping the casing,

wherein a horizontally longitudinal cross section of the casing has a gentle curve slanted from the center of the casing to the left or right hand of the user.

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